

SAFETY DATA SHEET

REFERENCE NUMBER:	004	ISSUE:	6	DATE:	July 2002
1. PRODUCT IDENTIFICATION:	BITUMEN (PENETRATION GRADE) / STIMSONITE			Prismo Product Services 5 Drumhead Road Chorley North Industrial Park Chorley Lancashire PR6 7BX Tel: +44 (0) 1257 225100 Fax: +44 (0) 1257 224605	
2. COMPOSITION:	Used as a binder for sealants, adhesives, primers, road binders and fixing studs.				
<u>Component</u>	<u>%</u>	<u>Health (Class)</u>	<u>CAS No.</u>	<u>R Phrase</u>	
Bitumen	< 40		8052-42-4		
Mineral filler	> 60		1317-65-3		
3. HAZARD IDENTIFICATION:					
Hydrogen sulphide (upon combustion) Bitumen fumes					
4. FIRST AID MEASURES:					
General:	In all cases of doubt, or where symptoms persist, seek medical attention.				
Eye Contact:	Treat as for 'skin contact'.				
Skin Contact:	If splashed with hot material, it should be treated instantly with cold water, preferably immersed. DO NOT ATTEMPT TO REMOVE BITUMEN. Cover burns with sterile dressing. Obtain immediate medical attention.				
Inhalation:	Move to fresh air. If breathing has stopped, administer artificial respiration. Transfer to hospital immediately.				
Ingestion:	Ensure that airway is not obstructed. Treat as for 'skin contact'.				
5. FIRE FIGHTING MEASURES:					
Extinguisher Types Recommended:	Extinguish with CO ₂ , dry powder, foam, sand or earth. Do not use water jets.				
Special Precautions:	Call Fire Brigade if fire cannot be extinguished quickly.				
6. ACCIDENTAL RELEASE MEASURES:					
Shut off source. Contain the spillage. Allow to solidify. No naked lights. No smoking. Do not allow to enter drains, rivers or watercourses.					
7. HANDLING AND STORAGE:					
Recommended Storage Conditions:	Suitable vessel – keep dry. Exclusion of water.				
Temperature:	120°C – 140°C handling temperature.				
Electrical Grounding:	-				
Storage Section of Area:	-				

Handling Precautions:	Avoid inhalation of fumes. Avoid skin contact with hot product. Wear protective clothing.			
Environmental Precautions:	-			
Fire Prevention Measures:	Avoid sources of ignition (open flame heating should be avoided where possible).			
8. EXPOSURE CONTROLS & PERSONAL PROTECTION:				
				
Respiratory protection:	Mask or Filter	<input type="checkbox"/>	Respirator	<input checked="" type="checkbox"/> (if in enclosed space)
Hand Protection	Gloves	<input checked="" type="checkbox"/>	Type:	PVC or neoprene (cold) Heat resistant (hot)
Eye Protection:	Safety Glasses	<input type="checkbox"/>	Goggles	<input checked="" type="checkbox"/> Face Shield <input checked="" type="checkbox"/> (advisable)
Skin Protection:	Apron	<input type="checkbox"/>	Protective Creams	<input checked="" type="checkbox"/> Overalls <input checked="" type="checkbox"/> Boots <input checked="" type="checkbox"/>
(Kerodex 71 or Rozalex No 9)				
<u>Ingredient Name</u>	<u>CAS No.</u>	<u>STD</u>	<u>LT Exp.</u> <u>(8 hrs)</u>	<u>ST Exp.</u> <u>(15 min)</u>
Bitumen Hydrogen Sulphide	8052-42-4 7783-06-4		5 mg/m ³ 14 mg/m ³	10 mg/m ³ 21 mg/m ³
Comments:	LT Exp. = Long Term Exposure Limits ST Exp. = Short Term Exposure Limits			
9. PHYSICAL AND CHEMICAL PROPERTIES:				
Appearance/Form:	Solid – opaque black/brown.			
Odour:	Characteristic.			
Boiling Point:	NDA			
Flash Point:	Above 230°C.			
Volatility by Volume (%):	-			
Melting Point:	NDA			
Decomposition Temperature of Pigment:	-			
Auto Ignition Temperature:	NDA			
Specific Gravity (at 25°C):	0.98 to 1.08.			
Volatility:	N/A			
Solubility/Miscibility in Water:	Very low solubility.			
pH Value:	Neutral / mildly acidic.			
Viscosity:	N/A			
10. STABILITY AND REACTIVITY:				
Stability:	Stable.			

Conditions to Avoid:	Water contamination – including bitumen emulsions which contain water.		
Materials to Avoid:	Bitumen emulsion, water.		
Hazardous Decomposition Products:	Carbon monoxide, nitrogen oxides, sulphur dioxide polycyclic aromatic hydrocarbons, hydrogen sulphide (when burnt).		
Hazardous Polymerisation:	-		
11. TOXICOLOGICAL INFORMATION:			
Eye Contact:	-		
Skin Contact:	Irritant. This product is used hot, so skin contact will cause burns.		
Inhalation:	Hydrogen sulphide is liberated at elevated temperatures.		
Ingestion:	-		
Chronic Effects:	Many bitumens contain coal tar which can cause warts which may become malignant after a period of years. If you use bitumen, examine your skin for warts (the scrotum is at special risk).		
12. ECOLOGICAL INFORMATION:			
Avoid losses to the environment where possible			
13. DISPOSAL INFORMATION:			
Can be recycled			
<i>Dispose of in accordance with national and local regulations. Do NOT empty into drains.</i>			
14. TRANSPORT INFORMATION:			
Label for Conveyance:			
Comments:	- Not hazardous for transport (material in block form)		
ROAD:			
UN No:			
Hazard Class (ADR):	ADR Class No:		
ADR Item No:	Hazard No (ADR):		
Marginal:	-	ARD Label No:	-
Hazchem Code:		CEFIC TEC(R) No:	-
Proper Shipping Name:	-		
RAIL:			
Rail Transport Class No:		Railroad PT:	-
SEA:			
UN Sea No:		Sea Transport Class No:	

IMDG Page No:	-	Sea Pack GR:	
EmS No:	-	MFAG Table No:	-
Marine Pollutant:	-		
AIR:			
UN Air No:		Air Transport Class No:	
Air Pack GR:			

15. REGULATORY INFORMATION:

This data sheet was prepared in accordance with Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 [CHIPS II], and Directives 91/155/EEC, 93/112/EC.

Label for Supply:

Ingredients to be declared: -

Risk Phrases: -

Safety Phrases: -

EC Directives: -

Statutory Instruments: Chemicals (Hazard Information & Packaging) Regulations 1999.

Approved Code of Practice: -

Guidance Notes: -

16. OTHER INFORMATION:

It would be helpful in the event of an accident if your employee carried this information at all times.

Information Sources: -

The above data is provided for your information and your attention is drawn to the appropriate package labelling. Users of the product must ensure its proper use in accordance with good industrial practice, proper medical advice and any official or Government notices or publications. This information is furnished gratuitously independent of any sale or the product and does not form part of any contract for sale, nor does it constitute any representation, warranty or condition of merchantability or fitness for a particular purpose.

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